

Vancouver Skytrain “Evergreen” (Canada)



Project description

To extend Vancouver’s Skytrain rapid transit network, a new line, to be known as the Evergreen Line, is currently under construction. The Skytrain is a metropolitan train system that features many elevated guideways – hence its name.

The new line has a length of 10.9 kilometres (6.8 miles), and its construction includes the building of six new stations as well as major upgrades to two existing stations. Service on the new route is planned to begin by middle of 2016 and is expected to serve 70,000 passengers per day in 2021.

Delivered products

Part of the Evergreen Line’s elevated structure will be supported by Lasto®Block bearings, the tried and trusted elastomeric bearings from mageba’s bearing range. LASTO®BLOCK bearings allow rotations by deformation of their rubber layers, and this deformation also facilitates structure movements (as may an additional sliding surface). Rubber bearings also offer excellent damping of noise and vibrations – which is often of interest in rail structures.

288 elastomeric bearings with sizes up to 800 mm × 800 mm and heights up to 190 mm are being supplied, for loads of up to 6,300 kN.

Highlights & Facts

mageba products:

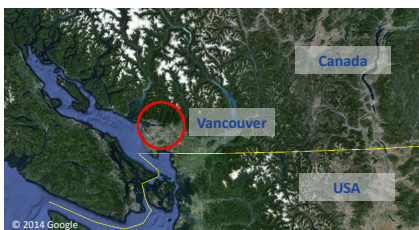
Type: Elastomeric bearings
Features: Masonry plates
Installation: 2014

Bridge:

City: Vancouver
Country: Canada
Type: Metro system elevated guideway

Built: 2013–2016
Length: 10.9 km
Builder: SNC-Lavalin

The Skytrain is a key part of Vancouver’s public transit system



Part of the new line’s elevated structure will be supported by LASTO®BLOCK elastomeric bearings



LASTO®BLOCK bearings allow rotations and movements while also providing good damping

